

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
22 May 2003 (22.05.2003)

PCT

(10) International Publication Number  
**WO 03/041570 A3**

(51) International Patent Classification<sup>7</sup>: **A61B 1/267**

(21) International Application Number: PCT/EP02/12619

(22) International Filing Date:  
12 November 2002 (12.11.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0127130.3 13 November 2001 (13.11.2001) GB

(71) Applicant and

(72) Inventor: **McMorrow, Roger** [GB/GB]; 148 Finaghy Road South, Belfast BT10 ODG (GB).

(74) Agents: **WALLACE, Alan** et al.; F R Kelly & Co, 9 University Street, Belfast BT7 1FY (GB).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

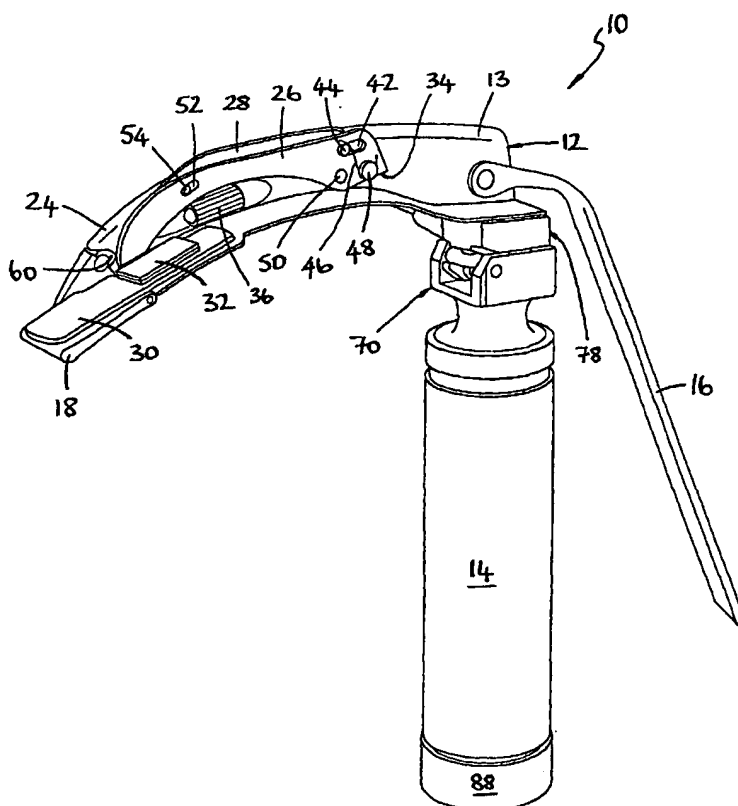
Published:

— with international search report

(88) Date of publication of the international search report:  
23 October 2003

[Continued on next page]

(54) Title: A LARYNGOSCOPE



(57) Abstract: One aspect of the present invention provides a laryngoscope comprising a blade(12); a deployable mirror; and an operating mechanism, the operating mechanism being arranged to deploy the mirror (30). The mirror is pivotable with respect to the blade and the arrangement is such that an initial operation of the operating mechanism causes the mirror to be deployed while further operation of the operating mechanism causes the mirror to be pivoted with respect to the blade. In the preferred embodiment, the blade has a pivotable tip (18) which is also operable by the operating mechanism. The deployment of the mirror, the pivoting of the mirror (30) and the pivoting of the tip (18) can all be performed by operation of a single operating mechanism, preferably in the form of a simple lever. The laryngoscope may therefore readily be operated using only one hand and without the need for any dextrous finger movements.

WO 03/041570 A3

WO 03/041570 A3



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

# INTERNATIONAL SEARCH REPORT

Internat	Application No
PCT/Er	02/12619

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 A61B1/267

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 135 948 A (LEE HAN SHIK) 24 October 2000 (2000-10-24)  column 3, line 46-50 column 4, line 26 -column 5, line 23	1-3,7,8, 10-12, 14,21,22
Y	column 5, line 50-62; figures 5,7-9,14-16	13,15
Y	GB 2 258 398 A (MACDONALD STUART DONALD) 10 February 1993 (1993-02-10) page 2, line 1-36; figures 1,2	13,15
A	US 4 360 008 A (CORAZZELLI JR FRANK G) 23 November 1982 (1982-11-23) column 2, line 46-61 column 3, line 45-62 column 5, line 38-62 column 6, line 15-22; figures 1,4	17-20

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*A\* document member of the same patent family

Date of the actual completion of the International search

16 July 2003

Date of mailing of the International search report

24/07/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Pohjamo, T

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Internal Application No

PCT/EP 02/12619

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6135948	A	24-10-2000	WO 0215772 A1 AU 6922300 A	28-02-2002 04-03-2002
GB 2258398	A	10-02-1993	NONE	
US 4360008	A	23-11-1982	CA 1165651 A1	17-04-1984